NCER Funded Science to Achieve Results (STAR) Research Projects:

Region 7 - STAR Grant List



Tabular Query Results of NCER Program and Solicitation Information

70 Abstracts are listed

Number	Identifier	Abstract	Institution	Principal Investigator	Grant Representative	Grant Amount	Proposed Start Date
1	none	Impact of Soil Microflora on Revegetation Efforts in Southeast Kansas	Great Plains/Rocky Mountain HSRC	Banks, Hetrick, Schwab	none	none	none
2	R825148	Genomic Database for Cryptosporidium spp.	Kansas State University	Steve J. Upton	Sheila Rosenthal	\$304,755	September 23, 1996 - September 22, 1999
3	none	Reducing Heavy Metal Availability to Perennial Grasses and Row-Crops Grown on Contaminated Soils and Mine Spoils	GREAT PLAINS ROCKY MOUNTAIN HSRC	Pierzynski, Schwab	none	none	none
4	none	Fate and Transport of Heavy Metals and Radionuclides in Soil: The Impacts of Vegetation	Kansas State University	A.P. Schwab, M.K. Banks, and L.E. Erickson	none	none	none
5	none	Laboratory and Field Evaluation of Upward Mobilization and Photodegradation of Polychlorinated Dibenzo-P- Dioxins	Great Plains/Rocky Mountain HSRC	Kapila, Armstrong, Puri	none	none	none
6	R825335	Modeling Effects of Alternative Landscape Design and Management on Water Quality and Biodiversity in Midwest Agricultural Watersheds	Oregon State University; E & S Environmental Chemistry, Inc.; Iowa State University; University of Minnesota	Mary Santelmann, K. Freemark, G. Matzke, S. Polasky, and D. White; J. Eilers and J. Bernert; B. Danielson; and J. Nassauer and S. Galatowitsch	Barbara Levinson	\$1,228,521	January 1, 1997 - December 31, 1999
7	R824795	Indoor Air Quality in Large Office Buildings in the Midwest	CIH/The University of lowa	Stephen J. Reynolds, Ph.D.	Deran Pashayan	\$635,257	October 1, 1995 - September 30, 1998
8	R825330	Photochemical Alternatives for Pollution Prevention	Iowa State University; Virginia Polytechnical	George Kraus and James Tanko	Barbara Karn	\$400,000	October 1, 1996 -

			Institute				September 30, 1999
9	R825310	Updating Prior Methods for Non-Market Valuation A Bayesian Approach to Combining Disparate Sources of Environmental Values	Iowa State University	Joseph A. Herriges and Catherine L. Kling	Deborah Hanlon	\$210,199	October 1, 1996 - September 30, 1998
10	none	Vegetative Interceptor Zones for Containment of Heavy Metal Pollutants	University of Northern Iowa; Kansas State University	B.A.D. Hetrick; G.M. Pierzynski, L.E. Erickson, R.S. Govindaraju and D. Sweeney	none	none	none
11	R81- 9722	Role of DMS and SO2, in Cloud Condensation Nuclei Activation	University of Missouri, Columbia	Sudarshan K. Loyalka	none	none	3 years
12	R823360	Pollution Prevention and Enhancement of Biodegradability via Isomer Elimination in Consumer Products	University of Missouri- Rolla	Daniel W. Armstrong	Bala Krishnan	\$269,020	October 1, 1995 - September 30, 1998
13	R825796	Methods for Increasing Biodiversity in Tallgrass Prairie Reconstructions	Iowa State University	Thomas W. Jurik and Kirk Moloney	Barbara M. Levinson	\$243,019	January 1, 1998 - December 31, 2000
14	R823362	Robustness of Welfare Estimates for Environmental Goods from Discrete Choice Recreational Demand Models	Iowa State University	Joseph Herriges and Catherine Kling	Deborah Hanlon	\$87,912	September 8, 1995 - September 7, 1997
15	R826615	An Examination of Utility Consistent Approaches to Modeling Corner Solutions in Recreation Demand	Iowa State University	Joseph A. Herriges, Catherine L. Kling, Daniel J. Phaneuf	Ainsley Caldwell	\$134,759	September 1, 1998 August 31, 2000
16	R82- 3605	Use of Remotely Sensed Data on Phenological Activity and Heterogeneity to Detect Changes in Grassland Species Composition in Response to Stress	Kansas State University	John M. Briggs	none	210,842	3 years
17	U915246	Microbial Biomass and Nitrate Immobilization in A Multi-Species Riparian Buffer	Iowa State University	Joyce Pickle	none	none	none
18	none	The Fate and Transport of Munitions Residues in Contaminated Soil	University of Nebraska-Lincoln	S.D. Comfort, P.J. Shea, D.L. McCallister, and W.L. Powers	none	none	none
19	none	Metals Soil Pollution and Vegetative Remediation	University of Iowa; Kansas State University	J.L. Schnoor, L.A. Licht, M.A. St. Clair, and C. Just; and L.E. Erickson	none	none	none

20	R823420	Biostimulation of BTX Degradation with Environmentally Benign Aromatic Substrates	The University of Iowa	Pedro J. Alvarez	Bala Krishnan	\$246,342	October 1995 - September 1998
21	R825206	Parallelization Agent for Legacy Codes in Environmental Modeling	Iowa State University; Ames Laboratory, U.S. DOE	Suraj C. Kothari, Eugene S. Takle, and John L. Gustafson	Chris Saint	484,382	January 1, 1997 - December 31, 1999
22	none	The Use of Vegetation to Enhance Bioremediation of Surface Soils Contaminated with Pesticide Wastes	Iowa State University	J.R. Coats and T.A. Anderson	none	none	none
23	R81- 9996	Colloid-Facilitated Transport of Heavy Metals in a Sludge-Amended Agroforestry System	Iowa State University	Michael Thompson	none	\$142,330	2 years
24	none	Use of Poplar Trees in Remediating Heavy Metal Contaminated Sites	none	Pierzynski, Tracy, Davis, Reddi, Erickson, Schnoor	none	none	none
25	R826711	Mechanisms that Initiate, Promote, and Resolve Grain Dust/LPS Induced Inflammation	The Etiology and Pathogenesis of Airway Disease in Children from Rural Communities, University of Iowa	Dr. David Schwartz, MD, MPH, William Nauseef, MD	Chris Saint	EPA \$3.1M NIESH \$3.1M	1998-2002
26	none	Riparian Poplar Tree Buffer Impact on Non-point Source Surface Water Contamination: A Paired Agricultural Watershed Study	University of Iowa	L.A. Licht and J.L. Schnoor	none	none	none
27	R828211	St. Louis: Monitoring Environmental Parameters in a Community at Risk	East-West Gateway Coordinating Council, University of Illinois	Blair Forlaw, Charles Kindleberger, Sonya Pelli, Kevin McGraw, Dr. Ken Reardon	Barbara Karn	\$335,000	May 2000 - October 2001
28	none	Laboratory and Field Evaluation of Upward Mobilization and Photodegradation of Polychlorinated Aromatics in Soil	University of Missouri	S. Kapila, D. Forciniti, and D.W. Armstrong	none	none	none
29	R82- 1243	Social and Economic Factors Affecting the Adoption of Water Protection Strategies on Rented Cropland and Implications for Water Quality Protection Policies and Programs	University of Missouri, Columbia	J. Sanford Rikoon	none	\$183,799	3 years
30	none	Formation and Transformation of Pesticide Degradation Products	University of Iowa	G.F. Parkin	none	none	none

		Under Various Electron Acceptor Conditions					
31	R826711	Multi-component Intervention Study of Asthma in Children from Rural Communities	The Etiology and Pathogenesis of Airway Disease in Children from Rural Communities, University of Iowa	Dr. David Schwartz, MD, MPH, James Merchant, MD, DrPH	Chris Saint	EPA \$3.1M NIESH \$3.1M	1998-2002
32	R82- 1224	Long-Term Variation in Fish Assemblages of Warm- Water Stresses: Natural Variance and Approaches to Detecting Variation	University of Oklahoma	William J. Matthews; Frances P. Galwick	none	\$221,238	3 years
33	R825410	Development of Chemical Methods to Assess the Bioavailability of Arsenic in Contaminated Media	Oklahoma State University; University of Missouri-Columbia	Nicholas T. Basta, Robin R. Rodriguez,and Stan W. Casteel	Bill Stelz	\$431,677	November 1, 1996 - October 31, 1999
34	R823292	Capillary Immunophoresis for Environmental Monitoring	Iowa State University	Cheng S. Lee	Clyde Bishop	\$269,984	October 1995 - September 1998
35	R826832	Mechanisms and Kinetics of Chloramine Loss and By-Product Formation in the Presence of Reactive Drinking Water Distribution System Constituents.	University of Iowa	Richard L. Valentine	William Stelz	\$317,868	September 15, 1998 - September 14, 2001
36	R 825295	Methoxychlor and Environmental "Estrogen" Receptors in ER-Minus Mice	University of Missouri, Columbia	Dennis B. Lubahn and Wade V. Welshons	David Reese	\$190,000	February 10, 1997 - February 9, 1999
37	R825413	The Effect of Plants on the Bioavailability and Toxicity of Contaminants in Soil	Kansas State University	Margaret K. Banks, A. Paul Schwab and J. Scott Smith	Thomas Veirs	\$499,941	January 1, 1997 - December 31, 2000
38	R826133	Computational Tools for the Prediction and Classification of Estrogenic Compounds	University of Missouri- St. Louis	William J. Welsh	David Reese	\$433,758	January 1, 1998 - December 31, 2000
39	R825304	Environmentally Benign Photo-Assisted Catalysis Selective Oxidation Reactions in Zeolites	University of Iowa	Sarah C. Larsen and Vicki H. Grassian	Barbara Karn	\$260,228	October 1, 1996 - September 30, 1999
40	GF-95- 00023	Sampling for Wireworms	Iowa State University	Carol Simmons	Virginia Broadway	\$32,896	5/1/95
41	R827257	Hierarchical Statistical Analysis of Global and Regional Environmental Data	Iowa State University	Noel A.C. Cressie, and Mark Berliner, The Ohio State University	Chris Saint	\$325,000	September 1, 1998 - August 31, 2001
42	none	Plant-Assisted Remediation of Soil and Groundwater	Kansas State University	L.C. Davis and L.E. Erickson	none	none	none

		Contaminated by Hazardous Organic Substances: Experimental and Modeling Studies					
43	R826711	A Model to Study the Development of Persistent Environmental Airway Disease	The Etiology and Pathogenesis of Airway Disease in Children from Rural Communities, University of Iowa	Dr. David Schwartz, MD, MPH	Chris Saint	EPA \$3.1M NIESH \$3.1M	1998-2002
44	R826711	Role of RSV Infection and Endotoxin in Airway Inflammation	The Etiology and Pathogenesis of Airway Disease in Children from Rural Communities, University of Iowa	Dr. David Schwartz, MD, MPH, Gary Hunninghake, MD	Chris Saint	EPA \$3.1M NIESH \$3.1M	1998-2002
45	R828038	Prevalence and distribution of genotypes of Cryptosporidium parvum in United States feedlot cattle	University of California-Davis; South Dakota State University; University of Nebraska-Lincoln; United States Department of Agriculture	Edward R. Atwill, Bruce Hoar, William M. Sischo, C. Elmi, B.J. McCluskey, W.P. Epperson, D.M. Grotelueschen	Cynthia Nolt- Helms	\$248,461	April 1, 2000 - March 31, 2002
46	R826887	Combining Environmental Data Using Hierarchical Bayesian Space-Time Models	The University of Iowa	Dale Zimmerman and Mary Kathryn Cowles	Chris Saint	\$199,904	January 1, 1999 - December 31, 2001
47	none	Application of Anaerobic and Multiple-Electron-Acceptor Bioremediation to Chlorinated Aliphatic Subsurface Contamination	University of Iowa	G.F. Parkin	none	none	none
48	none	Intelligent Process Design and Control for the Minimization of Waste Production and Treatment of Hazardous Waste	Kansas State University	L.T. Fan	none	none	none
49	none	Nano-Scale Metal Oxide Particles as Reagents for Destruction and Immobilization of Hazardous Substances	Kansas State University	K.J. Klabunde	none	none	none
50	R824997	Sensitivity Analysis of the Effect of Changes in Mean and Variability of Climate on Crop Production and Regional Economics in the Southeastern U.S.	National Center for Atmospheric Research, Oregon State University, Texas A & M, U. of Nebraska, U. of SOuth Carolina	Linda Mearns, R. Katz, and S. Thompson, R. Adams, B. McCarl, B. Easterling, G. Carbone	Barbara Levinson	\$1,200,901	November 1, 1996 - October 31, 1999
51	R826132	Models Assessing Direct Effects of Dioxins and	University of Kansas Medical Center	Paul F. Terranova	David Reese	\$597,855	October 1, 1997 -

		Related Compounds on the Ovary					September 30, 2000
52	R823402	Characterization and Kinetics of Contaminant Oxidation and Hydrogen Peroxide Decomposition in the Presence of Subsurface Material	The University of Iowa	Richard L. Valentine, Ph.D.	Bala Krishnan	\$189,242	none
53	R826297	Endocrine Disruptors: Effects on the Thyroid	University of Kansas Medical Center	Curtis D. Klaassen	David Reese	\$594,660	December 15, 1997 - December 14, 2000
54	R826253	Development of Field- Portable Chromatographic Immunoassays	University of Nebraska-Lincoln	David S. Hage	S. Bala Krishnan	\$277,762	January 1, 1998 - December 31, 2000
55	R824729	Coking and Activity of Solid Acid Alkylation Catalysts in Supercritical Reaction Media	University of Kansas	Bala Subramaniam	Barbara Karn	\$220,000	October 1, 1995 - September 30, 1998
56	U914951	Identification and Characterization of Complex Dynamic Structure in Spark Ignition Engines	University of Missouri, Rolla	Robert M. Wagner	none	none	none
57	none	Uptake of BTEX Compounds and Metabolites by Hybrid Poplar Trees in Hazardous Waste Remediation	University of Iowa	J.L. Schnoor and S.C. Lang	none	none	none
58	R825761	An Integrated Ecological and Socio-Economic Approach to Evaluating and Reducing Agricultural Impacts on Upper Mississippi River Watersheds	University of Wisconsin - La Crosse, The Ohio State University	P. H. Gowda, A. D. Wardb, T. L. Napierb, and R. J. Haroa	Barbara Levinson	\$650,921	September 1, 1997 - August 30, 2000
59	none	Extension of Laboratory Validated Treatment and Remediation Technologies to Field Problems in Aquifer Soil and Water Contamination by Organic Waste Chemicals	University of Colorado	T.H. Illangasekare	none	none	none
60	R826034	Solid-Catalyzed Reactions in Supercritical Reaction Media	University of Kansas	Bala Subramaniam	Barbara Karn	\$125,000	October 1, 1998 - September 30, 2001
61	U915039	Paleoecology of the Great Plains 2 to 10 Million Years Ago	University of Chicago	Francesca A. Smith	none	none	none
62	R825155	Modeling Spatial and Temporal Dynamics of	Iowa State University; University of	Dr. Diane Debinski; Dr. Mark Jakubauskas; Dr.		\$709,640	October 1, 1996 -

		Montane Meadows and Biodiversity in the Greater Yellowstone Ecosystem	Oklahoma; University of Kansas	Kelly Kindscher			September 30, 1999
63	none	Chelating Extraction of Heavy Metals from Contaminated Soils	University of Utah; University of Missouri	A.P. Hong and R.W. Okey; S.K. Banerji	none	none	none
64	none	TCE Ground Water Attenuation in Severe Northern Climates	Utah State University	R.R. Dupont, D.L. Sorensen, M. Kemblowski, and D. Smith	none	none	none
65	U914991	Low Dose Reproductive Effects Resulting from Prenatal Exposure to Estrogen	University of Missouri, Columbia	Kristina Thayer	none	none	none
66	none	Remediation of Soils Contaminated with Wood- Treatment Chemicals	University of Missouri; U.S. Army Corps of Engineers	R.K. Bajpai, S.K. Banerji, and R.K. Puri; M.E. Zappi	none	none	none
67	none	The Role of Metallic Iron in the Biotransformation of Chlorinated Xenobiotics	University of Iowa	G.F. Parkin, J.L. Schnoor, and P.J.J. Alvarez	none	none	none
68	U915337	Ecology and Population Regulation of Nearctic Migrant Birds on Hispaniola	University of Missouri	Steven C. Latta	none	none	none
69	none	Trichloroethene (TCE) Cometabolism in Fluidized- Bed Bioreactors	University of Missouri	R.L. Segar Jr.	none	none	none
70	none	Design and Development of an Innovative Industrial Scale Process to Economically Treat Waste Zinc Residues	University of Missouri	T.J. O'Keefe	none	none	none

Collections that were searched are:

Research Center Research Projects Fellowship Research Projects Grants Research Projects

Query was:

(iowa <or> kansas <or> missouri <or> nebraska <or> east west gateway) <and> <not> (using partners to build better courses <or> molecular monitoring of microbial populations)

Quick Help Search Tips More Search Options Database Browser

Return to top of this document.



Search Performed: Wednesday December 06, 2000